

Production of paper, board and cardboard

Abstract

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Paper, board and cardboard are produced by shearing the paper stock, adding a microparticle system comprising a cationic polymer and a finely divided inorganic component to the paper stock after the last shearing stage before the head box, draining 10 the paper stock with sheet formation and drying the sheets, by a process in which cationic polyacrylamides, polymers containing vinylamine units and/or polydiallyldimethylammonium chloride having an average molar mass  $M_w$  of in each case at least 500 000 Dalton and a charge density of in each case not more than 15 4.0 meq/g are used as cationic polymers of the microparticle system.

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